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Exhibit P-40, Budget Line Item Justification: FY 2018 Navy										Date: May 2017		
Appropriation / Budget Activity / Budget Sub Activity: 1611N: Shipbuilding and Conversion, Navy / BA 02: Other Warships / BSA 1: Other Warships							P-1 Line Item Number / Title: 2122 / DDG-51					
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	72	3	2	2	-	2	2	2	2	2	2	89
Gross/Weapon System Cost (<i>\$ in Millions</i>)	72,754.114	4,938.684	3,393.881	3,499.079	0.000	3,499.079	3,512.647	3,559.310	3,619.198	3,675.199	3,834.720	102,786.832
Less PY Advance Procurement (<i>\$ in Millions</i>)	2,777.480	134.039	-	-	-	-	-	-	-	-	-	2,911.519
Less Cost To Complete (<i>\$ in Millions</i>)	1,217.162	-	-	-	-	-	-	-	-	-	-	1,217.162
Less Subsequent Year Full Funding (<i>\$ in Millions</i>)	-	433.000	-	-	-	-	-	-	-	-	-	433.000
Less Hurricane (<i>\$ in Millions</i>)	227.100	-	-	-	-	-	-	-	-	-	-	227.100
Less EOQ (<i>\$ in Millions</i>)	-	238.995	182.589	-	-	-	39.362	114.503	227.187	227.187	-	1,029.823
Less Escalation (<i>\$ in Millions</i>)	48.200	-	-	-	-	-	-	-	-	-	-	48.200
Less Transfer (<i>\$ in Millions</i>)	218.500	-	-	-	-	-	-	-	-	-	-	218.500
Net Procurement (P-1) (<i>\$ in Millions</i>)	68,265.672	4,132.650	3,211.292	3,499.079	0.000	3,499.079	3,473.285	3,444.807	3,392.011	3,448.012	3,834.720	96,701.528
Plus Subsequent Year Full Funding (<i>\$ in Millions</i>)	-	-	433.000	-	-	-	-	-	-	-	-	433.000
Full Funding TOA (<i>\$ in Millions</i>)	68,265.672	4,132.650	3,644.292	3,499.079	-	3,499.079	3,473.285	3,444.807	3,392.011	3,448.012	3,834.720	97,134.528
Plus CY Advance Procurement (<i>\$ in Millions</i>)	3,333.103	-	-	-	-	-	-	-	-	-	-	3,333.103
Plus Cost To Complete (<i>\$ in Millions</i>)	959.835	75.014	15.959	51.377	-	51.377	53.966	61.011	-	-	-	1,217.162
Plus EOQ (<i>\$ in Millions</i>)	-	-	-	90.336	-	90.336	292.713	225.190	-	-	-	608.239
Plus Escalation (<i>\$ in Millions</i>)	48.200	-	-	-	-	-	-	-	-	-	-	48.200
Plus Transfer (<i>\$ in Millions</i>)	218.500	-	-	-	-	-	-	-	-	-	-	218.500
Plus Hurricane (<i>\$ in Millions</i>)	227.100	-	-	-	-	-	-	-	-	-	-	227.100
Total Obligation Authority (<i>\$ in Millions</i>)	73,052.410	4,207.664	3,660.251	3,640.792	0.000	3,640.792	3,819.964	3,731.008	3,392.011	3,448.012	3,834.720	102,786.832
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Plus Outfitting and Post Delivery (<i>\$ in Millions</i>)	2,196.869	58.641	121.661	84.797	-	84.797	90.383	148.281	110.505	108.081	544.068	3,463.286
Total (<i>\$ in Millions</i>)	75,249.279	4,266.305	3,781.912	3,725.589	-	3,725.589	3,910.347	3,879.289	3,502.516	3,556.093	4,378.788	106,250.118
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	1,010.474	1,646.228	1,696.941	1,749.540	-	1,749.540	1,756.324	1,779.655	1,809.599	1,837.600	1,917.360	1,168.032
Description: DDG 51 will be able to operate offensively and defensively, independently or as units of Carrier Strike Groups and Surface Action Groups, in support of Marine Amphibious Task Forces in multi-threat environments that include air, surface and subsurface threats. These ships will respond to Low Intensity Conflict/Coastal and Littoral Offshore Warfare (LIC/CALOW) scenarios as well as open ocean conflict providing or augmenting power projection and forward presence requirements, and escort operations at sea. FY10 and follow ships will provide Ballistic Missile Defense capability. DDG 51 Flight III with the Air and Missile Defense Radar (SPY-6) will significantly enhance Integrated Air and Missile Defense capability against current and future threats.												
Note: 												

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ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A			Other Related Program Elements: N/A		
Line Item MDAP/MAIS Code: N/A							
<p>(1) FY17 reflects add of \$433M included in the FY17 Request for Additional Appropriations.</p> <p>(2) Flight III/SPY-6 configuration will be implemented on one FY16 ship and both FY17 ships.</p> <p>(3) Cost to Complete funds in FY17 are for the Government responsible portion for the shipbuilding construction contract overrun for DDG 115 (\$16.0M).</p>							
Characteristics:		FLIGHT IIA	FLIGHT III				
Length Overall		509 ft	509 ft				
Beam		59 ft	59 ft				
Displacement		9217 TONS	9650 TONS				
Draft		-					
Production Status:		DDG 114	DDG 116	DDG 117	DDG 118	DDG 120	DDG 119
Contract Award Date		Sep 2011	Feb 2012	Jun 2013	Jun 2013	Mar 2014	Jun 2013
Months to Completion							
a) Award to Delivery		72 months	74 months	60 months	78 months	79 months	72 months
b) Construction Start to Delivery		48 months	62 months	45 months	52 months	49 months	47 months
Delivery Date		Sep 2017	Apr 2018	Jun 2018	Dec 2019	Oct 2020	Jun 2019
Completion Of Fitting Out		Jan 2018	Aug 2018	Oct 2018	Mar 2020	Feb 2021	Oct 2019
Obligation Work Limit Date		Dec 2018	Jul 2019	Sep 2019	Feb 2021	Jan 2022	Sep 2020
Production Status:		DDG 122	DDG 123	DDG 124	DDG 127 ⁽¹⁾	DDG 125	DDG 126
Contract Award Date		Jun 2013	Jun 2013	Jun 2013	Sep 2017	Jun 2013	Jun 2013
Months to Completion							
a) Award to Delivery		97 months	97 months	108 months	62 months	109 months	119 months
b) Construction Start to Delivery		49 months	54 months	46 months	46 months	37 months	46 months
Delivery Date		Jul 2021	Jul 2021	Jun 2022	Nov 2022	Jul 2022	May 2023
Completion Of Fitting Out		Oct 2021	Nov 2021	Oct 2022	Feb 2023	Nov 2022	Sep 2023
Obligation Work Limit Date		Sep 2022	Oct 2022	Sep 2023	Jan 2024	Oct 2023	Aug 2024
Production Status:		DDG 129					
Contract Award Date		Jun 2018					
Months to Completion							
a) Award to Delivery		61 months					
b) Construction Start to Delivery		48 months					
Delivery Date		Jul 2023					
Completion Of Fitting Out		Nov 2023					
Obligation Work Limit Date		Oct 2024					
Design Schedule		Start / Issue	Complete / Response	Reissue	Reissue Complete / Response		
Issue Date for TLR		Jun 1983	N/A				
Issue Date for TLS		N/A	N/A				
Preliminary Design		Mar 1982	Dec 1982				
Contract Design		May 1983	Jun 1984				

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ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A		Other Related Program Elements: N/A	
Line Item MDAP/MAIS Code: N/A					
<u>Design Schedule</u>		<u>Start / Issue</u>	<u>Complete / Response</u>	<u>Reissue</u>	<u>Reissue Complete / Response</u>
Detail Design		N/A	N/A		
Request for Proposals		N/A	N/A		
Design Agent		BIW			
Classification of Cost Estimate: CLASS C BUDGET ESTIMATE					
Footnotes: ⁽¹⁾ DDG 127 is a congressional add and dates are pending contract negotiations. ⁽²⁾ DDG 128 and follow dates are notional.					

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Exhibit P-5c, Ship Cost Analysis: FY 2018 Navy	Date: May 2017
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Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1	P-1 Line Item Number / Title: 2122 / DDG-51
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Cost Categories <small>(†) indicates the presence of a P-8a</small>	FY 2011		FY 2012		FY 2013		FY 2014		FY 2015		FY 2016		FY 2017		FY 2018	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Plan Costs	2	77.174	1	122.109	3	67.450	1	74.980	2	68.814	3	204.160	2	81.454	2	72.811
Basic Construction/Conversion		1,485.412		761.786		2,188.286		718.189		1,463.210		2,287.880		1,478.206		1,772.877
Change Orders		62.882		20.823		60.461		21.087		42.133		254.803		229.002		53.196
Electronics ^(†)		357.084		219.431		544.024		226.095		349.746		526.003		346.044		352.897
Hull, Mechanical, and Electrical (HM&E) ^(†)		151.731		80.265		201.246		91.207		159.533		219.585		161.437		153.633
Ordnance ^(†)		916.154		629.228		1,185.255		523.108		838.247		1,366.220		1,016.231		1,017.935
Other Cost		71.949		70.327		81.240		76.736		77.775		80.033		81.507		75.730
Total Ship Estimate		3,122.386		1,903.969		4,327.962		1,731.402		2,999.458		4,938.684		3,393.881		3,499.079
Less Advance Procurement FY 2010		577.210		-		-		-		-		-		-		-
Less Advance Procurement FY 2011		-		47.719		-		-		-		-		-		-
Less Advance Procurement FY 2012		-		-		92.454		-		-		-		-		-
Less Advance Procurement FY 2015		-		-		-		-		-		134.039		-		-
Less Subsequent Full Funding FY 2017		-		-		-		-		-		433.000		-		-
Less Cost to Complete FY 2014		-		-		100.000		-		-		-		-		-
Less Cost to Complete FY 2015		63.373		-		-		-		-		-		-		-
Less Cost to Complete FY 2016		-		75.014		-		-		-		-		-		-
Less Cost to Complete FY 2017		15.959		-		-		-		-		-		-		-
Less Cost to Complete FY 2018		-		19.436		31.941		-		-		-		-		-
Less Cost to Complete FY 2019		-		-		53.966		-		-		-		-		-
Less Cost to Complete FY 2020		-		-		18.300		-		42.711		-		-		-
Less EOQ FY 2013		-		-		-		115.838		224.851		108.345		13.677		-
Less EOQ FY 2014		-		-		-		-		69.989		130.650		168.912		-
Net P-1 Funding		2,465.844		1,761.800		4,031.301		1,615.564		2,661.907		4,132.650		3,211.292		3,499.079

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Exhibit P-27, Ship Production Schedule: FY 2018 Navy	Date: May 2017
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Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1	P-1 Line Item Number / Title: 2122 / DDG-51
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Ship	Shipbuilder	Fiscal Year	Contract Award	Start of Construction	Delivery Date
DDG 114	Huntington Ingalls Industries	2011	Sep 2011	Sep 2013	Sep 2017
DDG 116	Bath Iron Works	2012	Feb 2012	Feb 2013	Apr 2018
DDG 117	Huntington Ingalls Industries	2013	Jun 2013	Sep 2014	Jun 2018
DDG 118	Bath Iron Works	2013	Jun 2013	Aug 2015	Dec 2019
DDG 120	Bath Iron Works	2013	Mar 2014	Sep 2016	Oct 2020
DDG 119	Huntington Ingalls Industries	2014	Jun 2013	Jul 2015	Jun 2019
DDG 121	Huntington Ingalls Industries	2015	Jun 2013	Apr 2016	May 2020
DDG 122	Bath Iron Works	2015	Jun 2013	Jun 2017	Jul 2021
DDG 123	Huntington Ingalls Industries	2016	Jun 2013	Jan 2017	Jul 2021
DDG 124	Bath Iron Works	2016	Jun 2013	Aug 2018	Jun 2022
DDG 127 ⁽¹⁾	Bath Iron Works	2016	Sep 2017	Jan 2019	Nov 2022
DDG 125	Huntington Ingalls Industries	2017	Jun 2013	Jun 2019	Jul 2022
DDG 126	Bath Iron Works	2017	Jun 2013	Jul 2019	May 2023
DDG 128 ⁽²⁾	TBD	2018	Jun 2018	Jul 2019	Jul 2023
DDG 129	TBD	2018	Jun 2018	Jul 2019	Jul 2023
DDG 130	TBD	2019	Jun 2018	Jul 2020	Jul 2024
DDG 131	TBD	2019	Jun 2018	Jul 2020	Jul 2024
DDG 132	TBD	2020	Jun 2018	Jul 2021	Jul 2025
DDG 133	TBD	2020	Jun 2018	Jul 2021	Jul 2025
DDG 134	TBD	2021	Jun 2018	Jul 2022	Jul 2026
DDG 135	TBD	2021	Jun 2018	Jul 2022	Jul 2026
DDG 136	TBD	2022	Jun 2018	Jul 2023	Jul 2027
DDG 137	TBD	2022	Jun 2018	Jul 2023	Jul 2027

Footnotes:

⁽¹⁾ DDG 127 is a congressional add and dates are pending contract negotiations.

⁽²⁾ DDG 128 and follow dates are notional.

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Exhibit P-8a, Analysis of Ship Cost Estimates: FY 2018 Navy					Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1			P-1 Line Item Number / Title: 2122 / DDG-51			
Electronics	FY 2016		FY 2017		FY 2018	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
P-35 Items						
SQQ 89 ASW	3	118.197	2	80.107	2	81.693
AN/SLQ-32 (V)6 SEWIP	3	45.288	2	30.697	2	31.305
USQ 82(V) GEDMS	3	40.833	2	27.684	2	28.232
EXCOMM	3	145.332	2	98.485	2	100.435
AN/UPX 29(V) IFF and TACAN	3	21.045	2	14.269	2	14.552
CEC	3	15.972	2	10.860	2	11.075
P-35 Items Subtotal		386.667		262.102		267.292
Major Items						
NAVIGATION SYSTEM	3	11.376	2	7.713	2	7.866
SLQ 25 NIXIE	3	4.701	2	3.186	2	3.249
SRQ 4 LAMPS III	3	12.582	2	8.530	2	8.699
MIDS	3	9.792	2	6.638	2	6.769
MK 53 NULKA	3	6.417	2	4.351	2	4.437
SSEE TSA ANTENNA	3	5.112	2	3.465	2	3.534
Major Items Subtotal		49.980		33.883		34.554
Other Cost Elements						
MISC. ELECTRONICS	3	89.356	2	50.059	2	51.051
Other Cost Elements Subtotal		89.356		50.059		51.051
Total Electronics		526.003		346.044		352.897

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Exhibit P-8a, Analysis of Ship Cost Estimates: FY 2018 Navy					Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1			P-1 Line Item Number / Title: 2122 / DDG-51			
Hull, Mechanical, and Electrical (HM&E)	FY 2016		FY 2017		FY 2018	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
P-35 Items						
STC 3 IVCS	3	22.026	2	14.931	2	15.227
Main Reduction Gear	3	116.892	2	83.958	2	74.620
P-35 Items Subtotal		138.918		98.889		89.847
Major Items						
Machinery Control System	3	15.363	2	10.416	2	10.622
Integrated Bridge Navigation System	3	13.266	2	8.986	2	9.164
Major Items Subtotal		28.629		19.402		19.786
Other Cost Elements						
MISC. HM&E	3	52.038	2	43.146	2	44.000
Other Cost Elements Subtotal		52.038		43.146		44.000
Total Hull, Mechanical, and Electrical (HM&E)		219.585		161.437		153.633

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Exhibit P-8a, Analysis of Ship Cost Estimates: FY 2018 Navy					Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1			P-1 Line Item Number / Title: 2122 / DDG-51			
Ordnance	FY 2016		FY 2017		FY 2018	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
P-35 Items						
AEGIS WEAPON SYSTEM (MK-7)	3	571.821	2	262.078	2	267.267
AN/SPY-6 (AMDR)	1	262.296	2	351.645	2	340.103
VLS MK 41	3	137.859	2	104.589	2	106.748
MK 45 LWG	3	76.481	2	51.853	2	52.880
MK 37 TOMAHAWK	3	35.193	2	25.498	2	26.003
PHALANX (CIWS)	3	24.372	2	16.573	2	16.901
SPQ-9B Radar	3	27.609	2	18.734	2	19.105
P-35 Items Subtotal		1,135.631		830.970		829.007
Major Items						
MK 32 SVTT	3	8.826	2	5.983	2	6.101
ELECTRO-OPTICAL SYSTEM	3	9.339	2	6.331	2	6.456
MK 160 GFCS	3	9.711	2	6.584	2	6.714
Major Items Subtotal		27.876		18.898		19.271
Other Cost Elements						
MISC. ORDNANCE	3	202.713	2	166.363	2	169.657
Other Cost Elements Subtotal		202.713		166.363		169.657
Total Ordnance		1,366.220		1,016.231		1,017.935

Remarks:

1) AN/SPY-6 (AMDR): SPY-6 introduced on one ship in FY16.

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: SQQ 89 ASW						PARM Code: N/A	

P-35 Category	FY 2016		FY 2017		FY 2018	
	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>
Major Hardware	3	68.541	2	46.453	2	47.373
Spares		1.458		0.988		1.008
System Engineering		12.240		8.296		8.460
Technical Engineering Services		7.110		4.818		4.913
Other Costs		28.848		19.552		19.939
Total	3	118.197	2	80.107	2	81.693

Description:
 Detect, classify, localize and track submerged submarines under all environmental conditions at long range from ASW ships, using bottom reflected and convergence zone acoustic paths.

Contract Data:

Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity <i>(Each)</i>	Unit Cost <i>(\$ M)</i>
FY 2016	DDG 123	LOCKHEED MARTIN	C/FFP	Jul 2016	Option	3	22.847
FY 2017	DDG 125	LOCKHEED MARTIN	C/FFP	Jul 2017	Option	2	23.227
FY 2018	DDG 128	LOCKHEED MARTIN	C/FFP	Jul 2018	Option	2	23.687

Delivery Date:

Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date
FY 2016	DDG 123	Jul 2021	14	24	May 2018
FY 2017	DDG 125	Jul 2022	14	24	May 2019
FY 2018	DDG 128	Jul 2023	14	24	May 2020

Competition/Second Source Initiatives:
 Competitive

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: AN/SLQ-32 (V)6 SEWIP						PARM Code: N/A	
P-35 Category	FY 2016		FY 2017		FY 2018		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Major Hardware	3	38.499	2	26.095	2	26.611	
Spares		1.095		0.742		0.757	
System Engineering		2.655		1.800		1.836	
Technical Engineering Services		0.387		0.262		0.267	
Other Costs		2.652		1.798		1.834	
Total	3	45.288	2	30.697	2	31.305	
Description: SLQ-32(V)6 Surface Electronic Warfare Improvement Program (SEWIP) provides the DDG 51 Class Destroyers with the electronic warfare capability of automatically detecting, sorting, classifying, tracking, engaging and continually displaying emitter and platform densities.							
Contract Data:							
Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)
FY 2016	DDG 123	Competitive	C/FFP	Sep 2016	New	3	12.833
FY 2017	DDG 125	Option	C/FFP	Mar 2017	Option	2	13.048
FY 2018	DDG 128	Option	C/FFP	Mar 2018	Option	2	13.306
Delivery Date:							
Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date		
FY 2016	DDG 123	Jul 2021	19	16	Aug 2018		
FY 2017	DDG 125	Jul 2022	19	16	Aug 2019		
FY 2018	DDG 128	Jul 2023	19	16	Aug 2020		
Competition/Second Source Initiatives: Competitive							

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: USQ 82(V) GEDMS						PARM Code: N/A	

P-35 Category	FY 2016		FY 2017		FY 2018	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Major Hardware	3	21.840	2	14.808	2	15.101
Technical Data and Documentation		1.943		1.317		1.343
System Engineering		4.709		3.192		3.255
Technical Engineering Services		0.794		0.538		0.549
Other Costs		11.547		7.829		7.984
Total	3	40.833	2	27.684	2	28.232

Description:
 Gigabit Ethernet Data Multiplex System (GEDMS) is the mission critical ship-wide network that transfers data associated with Machinery, Steering, Navigation, Combat, Alarms & Indicating, and Damage Control Systems. It is a general purpose modular data transfer system that provides high speed, reliable and survivable data from source systems to user systems automatically or on demand.

Contract Data:

Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)
FY 2016	DDG 123	COMPETITIVE	C/FFP	Mar 2017	New	3	7.280
FY 2017	DDG 125	COMPETITIVE	C/FFP	Mar 2017	New	2	7.404
FY 2018	DDG 128	OPTION	C/FFP	Mar 2018	Option	2	7.551

Delivery Date:

Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date
FY 2016	DDG 123	Jul 2021	25	18	Dec 2017
FY 2017	DDG 125	Jul 2022	25	18	Dec 2018
FY 2018	DDG 128	Jul 2023	25	18	Dec 2019

Competition/Second Source Initiatives:
 Competitive

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: EXCOMM						PARM Code: N/A	
P-35 Category	FY 2016		FY 2017		FY 2018		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Major Hardware	3	86.883	2	58.877	2	60.043	
Technical Data and Documentation		0.347		0.235		0.240	
Spares		0.801		0.543		0.554	
System Engineering		9.044		6.128		6.249	
Technical Engineering Services		5.277		3.576		3.647	
Other Costs		17.087		11.579		11.808	
Assembly & Integration		25.893		17.547		17.894	
Total	3	145.332	2	98.485	2	100.435	

Description:
The Exterior Communication System (EXCOMM) provides voice, data, teletypewriter (TTY), continuous wave (CW), and other communication services on designated frequencies from VLF to UHF for tactical and record requirements. It includes all external radio communication devices aboard the ship.

Contract Data:

Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)
FY 2016	DDG 123	VARIOUS	Various	Various	Various	3	28.961
FY 2017	DDG 125	VARIOUS	Various	Various	Various	2	29.439
FY 2018	DDG 128	VARIOUS	Various	Various	Various	2	30.022

Delivery Date:

Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date
FY 2016	DDG 123	Jul 2021	15	9	Jul 2019
FY 2017	DDG 125	Jul 2022	15	9	Jul 2020
FY 2018	DDG 128	Jul 2023	15	9	Jul 2021

Competition/Second Source Initiatives:
Numerous contract arrangements (sole source/competitive)

Remarks:
There are numerous components and contracts resulting in various award dates.

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: AN/UPX 29(V) IFF and TACAN						PARM Code: N/A	
P-35 Category	FY 2016		FY 2017		FY 2018		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Major Hardware	3	18.092	2	12.267	2	12.510	
Spares		0.226		0.154		0.157	
System Engineering		1.097		0.743		0.758	
Technical Engineering Services		0.462		0.313		0.319	
Other Costs		1.168		0.792		0.808	
Total	3	21.045	2	14.269	2	14.552	

Description:
The UPX-29 Interrogator System is a centralized Mark XIIA interrogator and target processor. It employs a cooperative challenge and reply technique to positively identify friendly platforms. The system is capable of interrogating Mark XII, Mark XIIA, International Civil Aviation Organization (ICAO), or Federal Aviation Administration (FAA)-compliant IFF transponders using a standard shipboard interrogator set, a target processor, and an Electronically Steerable Antenna (ESA) system. TACAN is a navigational beacon system that provides azimuth, slant range, and station identification information to TACAN equipped aircraft, permitting 24/7, all weather landing operations.

Contract Data:

Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)
FY 2016	DDG 123	BAE	SS/FFP	May 2016	Option	3	6.031
FY 2017	DDG 125	BAE	SS/FFP	May 2016	Option	2	6.134
FY 2018	DDG 128	BAE	SS/FFP	Jul 2018	New	2	6.255

Delivery Date:

Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date
FY 2016	DDG 123	Jul 2021	6	24	Jan 2019
FY 2017	DDG 125	Jul 2022	6	24	Jan 2020
FY 2018	DDG 128	Jul 2023	6	24	Jan 2021

Competition/Second Source Initiatives:
N/A

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: CEC						PARM Code: N/A	
P-35 Category	FY 2016		FY 2017		FY 2018		
	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	
Major Hardware	3	13.679	2	9.301	2	9.485	
System Engineering		0.702		0.477		0.486	
Technical Engineering Services		0.502		0.341		0.348	
Other Costs		1.089		0.741		0.756	
Total	3	15.972	2	10.860	2	11.075	
Description: Cooperative Engagement Capability (CEC) is a sensor netting system which distributes sensor data from each CEC equipped ship, aircraft, and/or Cooperating Unit (CU), to all other CUs in the battle force through a real-time, line of sight, high data rate sensor and engagement data distribution network.							
Contract Data:							
Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity <i>(Each)</i>	Unit Cost <i>(\$ M)</i>
FY 2016	DDG 123	DRS	C/FFP	Jun 2016	Option	3	4.560
FY 2017	DDG 125	DRS	C/FFP	Feb 2017	Option	2	4.651
FY 2018	DDG 128	DRS	C/FFP	Feb 2018	Option	2	4.743
Delivery Date:							
Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date		
FY 2016	DDG 123	Jul 2021	30	24	Jan 2017		
FY 2017	DDG 125	Jul 2022	30	24	Jan 2018		
FY 2018	DDG 128	Jul 2023	30	24	Jan 2019		
Competition/Second Source Initiatives: N/A							

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017																																
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51																																		
Equipment Item: STC 3 IVCS						PARM Code: N/A																																
P-35 Category	FY 2016		FY 2017		FY 2018																																	
	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>																																
Major Hardware	3	14.172	2	9.608	2	9.798																																
Spares		0.768		0.519		0.529																																
System Engineering		2.664		1.806		1.842																																
Technical Engineering Services		0.678		0.460		0.470																																
Other Costs		3.744		2.538		2.588																																
Total	3	22.026	2	14.931	2	15.227																																
Description: A solid state integrated voice communication system (IVCS) for application with the AEGIS combat system.																																						
Contract Data: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="text-align: center;">Program Year</th> <th style="text-align: center;">Hull</th> <th style="text-align: center;">Prime Contractor</th> <th style="text-align: center;">Contract Method/Type</th> <th style="text-align: center;">Award Date</th> <th style="text-align: center;">New/Option</th> <th style="text-align: center;">Quantity <i>(Each)</i></th> <th style="text-align: center;">Unit Cost <i>(\$ M)</i></th> </tr> <tr> <td align="center">FY 2016</td> <td align="center">DDG 123</td> <td align="center">DRS</td> <td align="center">C/FFP</td> <td align="center">Jul 2016</td> <td align="center">Option</td> <td align="center">3</td> <td align="right">4.724</td> </tr> <tr> <td align="center">FY 2017</td> <td align="center">DDG 125</td> <td align="center">DRS</td> <td align="center">C/FFP</td> <td align="center">Jul 2017</td> <td align="center">Option</td> <td align="center">2</td> <td align="right">4.804</td> </tr> <tr> <td align="center">FY 2018</td> <td align="center">DDG 128</td> <td align="center">DRS</td> <td align="center">C/FFP</td> <td align="center">Jul 2018</td> <td align="center">Option</td> <td align="center">2</td> <td align="right">4.899</td> </tr> </table>							Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	FY 2016	DDG 123	DRS	C/FFP	Jul 2016	Option	3	4.724	FY 2017	DDG 125	DRS	C/FFP	Jul 2017	Option	2	4.804	FY 2018	DDG 128	DRS	C/FFP	Jul 2018	Option	2	4.899
Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity <i>(Each)</i>	Unit Cost <i>(\$ M)</i>																															
FY 2016	DDG 123	DRS	C/FFP	Jul 2016	Option	3	4.724																															
FY 2017	DDG 125	DRS	C/FFP	Jul 2017	Option	2	4.804																															
FY 2018	DDG 128	DRS	C/FFP	Jul 2018	Option	2	4.899																															
Delivery Date: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="text-align: center;">Program Year</th> <th style="text-align: center;">Hull</th> <th style="text-align: center;">Earliest Ship Delivery Date</th> <th style="text-align: center;">Months Required Before Delivery</th> <th style="text-align: center;">Production Leadtime</th> <th style="text-align: center;">Required Award Date</th> </tr> <tr> <td align="center">FY 2016</td> <td align="center">DDG 123</td> <td align="center">Jul 2021</td> <td align="center">30</td> <td align="center">16</td> <td align="center">Sep 2017</td> </tr> <tr> <td align="center">FY 2017</td> <td align="center">DDG 125</td> <td align="center">Jul 2022</td> <td align="center">30</td> <td align="center">16</td> <td align="center">Sep 2018</td> </tr> <tr> <td align="center">FY 2018</td> <td align="center">DDG 128</td> <td align="center">Jul 2023</td> <td align="center">30</td> <td align="center">16</td> <td align="center">Sep 2019</td> </tr> </table>							Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date	FY 2016	DDG 123	Jul 2021	30	16	Sep 2017	FY 2017	DDG 125	Jul 2022	30	16	Sep 2018	FY 2018	DDG 128	Jul 2023	30	16	Sep 2019								
Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date																																	
FY 2016	DDG 123	Jul 2021	30	16	Sep 2017																																	
FY 2017	DDG 125	Jul 2022	30	16	Sep 2018																																	
FY 2018	DDG 128	Jul 2023	30	16	Sep 2019																																	
Competition/Second Source Initiatives: Competitive																																						

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: Main Reduction Gear						PARM Code: N/A	
P-35 Category	FY 2016		FY 2017		FY 2018		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Major Hardware	3	98.225	2	65.398	2	71.020	
System Engineering		9.301		9.035		-	
Technical Engineering Services		7.411		7.537		3.600	
Other Costs		1.955		1.988		-	
Total	3	116.892	2	83.958	2	74.620	

Description:
The contractor will engineer, manufacture, test and deliver a fully operational DDG 51 Main Reduction Gear (MRG). A DDG 51 Class MRG shipset consists of two gear assemblies. Each reduction gear combines the input of two LM2500 engines to convert the high speed, low torque of the engine to low speed, high torque output suitable to drive the propulsion shafting, and the related support systems and equipment.

Contract Data:

Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)
FY 2016	DDG 123	PHILADELPHIA GEAR	C/FFP	Mar 2016	Option	3	32.742
FY 2017	DDG 125	PHILADELPHIA GEAR	C/FFP	Mar 2017	New	2	32.699
FY 2018	DDG 128	PHILADELPHIA GEAR	C/FFP	Mar 2018	Option	2	35.510

Delivery Date:

Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date
FY 2016	DDG 123	Jul 2021	32	30	May 2016
FY 2017	DDG 125	Jul 2022	32	30	May 2017
FY 2018	DDG 128	Jul 2023	32	30	May 2018

Competition/Second Source Initiatives:
Competitive

Remarks:
FY 2016 reflects option exercise date extension within existing MRG contract.
FY 2017 and FY 2018 reflect new contract award inclusive of contractor's technical engineering services. Government technical engineering services still required for FY 2017.

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: AEGIS WEAPON SYSTEM (MK-7)						PARM Code: N/A	
P-35 Category	FY 2016		FY 2017		FY 2018		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Major Hardware	3	365.761	2	153.718	2	156.763	
System Engineering		6.464		1.734		1.768	
Technical Engineering Services		13.716		1.632		1.664	
Other Costs		30.960		12.632		12.882	
Logistics Support		48.138		19.822		20.214	
Combat System Integration		106.782		72.540		73.976	
Total	3	571.821	2	262.078	2	267.267	

Description:
AEGIS is a fast reaction, high firepower, all weather weapon system incorporating a high degree of system availability and effectiveness. It consists of a multi-function phase/plane array radar, high powered illuminators, advanced missile guidance and fully digitalized and integrated combat ship control for radar, weapons and command and decision. An Operational Readiness Test System performs continuous on-line assessment and fault detection.

Contract Data:

Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)
FY 2016	DDG 123	LM/ RTN/ GD	Various	May 2016	Option	3	121.920
FY 2017	DDG 125	LM/ RTN/ GD	Various	Jan 2017	Option	2	76.859
FY 2018	DDG 128	LM/ RTN/ GD	Various	Jan 2018	New	2	78.382

Delivery Date:

Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date
FY 2016	DDG 123	Jul 2021	15	36	Apr 2017
FY 2017	DDG 125	Jul 2022	15	36	Apr 2018
FY 2018	DDG 128	Jul 2023	15	36	Apr 2019

Competition/Second Source Initiatives:
Multiple contract arrangements (sole source/competitive)

Remarks:
1) Power Conversion Modules (PCMs) are introduced beginning with the FY16 Flight III ship.
2) AWS MYP includes a SPY-D(V) radar through one FY16 Flight IIA ship. A SPY-D(V) radar will also be procured with FMS buys for the second FY16 Flight IIA ship. Equipment common to both Flight IIA and Flight III ships is being procured for the third FY16 ship and all follow ships.
3) Funding for AN/SPY-6 (AMDR) is broken out on a separate P-35 for one FY16 and all follow ships (as part of Flight III).

Contract Data Notes:

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1		P-1 Line Item Number / Title: 2122 / DDG-51
Equipment Item: AEGIS WEAPON SYSTEM (MK-7)		PARM Code: N/A
<div>AWS Antenna and Signal Processors - Contractor: Lockheed Martin</div> <div>AWS Spy Transmitter and Fire Control System Transmitter - Contractor: Raytheon</div> <div>AWS Director/Director Controller - General Dynamics</div>		

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: AN/SPY-6 (AMDR)						PARM Code: N/A	

P-35 Category	FY 2016		FY 2017		FY 2018	
	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>
Major Hardware	1	198.696	2	282.545	2	273.103
System Engineering		14.392		21.002		19.792
Technical Engineering Services		11.654		15.140		15.435
Other Costs		31.266		23.406		22.035
Logistics		6.288		9.552		9.738
Total	1	262.296	2	351.645	2	340.103

Description:
The AN/SPY-6 Air and Missile Defense Radar (AMDR) suite consists of an S-Band radar (AMDR-S), an X-band radar (via SPQ-9B on the first 11 SCN ships), and a Radar Suite Controller (RSC). AMDR will provide multi-mission capabilities, simultaneously supporting both long range, exoatmospheric detection, tracking and discrimination of ballistic missiles, as well as Area and Self Defense against air and surface threats.

Contract Data:

Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity <i>(Each)</i>	Unit Cost <i>(\$ M)</i>
FY 2016	DDG 123	Raytheon	C/FPIF	Sep 2016	Option	1	198.696
FY 2017	DDG 125	Raytheon	C/FPIF	May 2017	Option	2	141.273
FY 2018	DDG 128	Raytheon	C/CPIF	May 2018	Option	2	136.552

Delivery Date:

Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date
FY 2016	DDG 123	Jul 2021	6	40	Sep 2017
FY 2017	DDG 125	Jul 2022	6	40	Sep 2018
FY 2018	DDG 128	Jul 2023	6	40	Sep 2019

Competition/Second Source Initiatives:
Competitive

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy	Date: May 2017
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Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1	P-1 Line Item Number / Title: 2122 / DDG-51
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Equipment Item: VLS MK 41	PARM Code: N/A
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P-35 Category	FY 2016		FY 2017		FY 2018	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Major Hardware	3	99.243	2	67.207	2	68.626
Ancillary Equipment		4.620		3.129		3.191
Technical Data and Documentation		0.816		0.553		0.564
System Engineering		13.685		13.899		14.174
Technical Engineering Services		12.619		12.816		13.070
Other Costs		6.876		6.985		7.123
Total	3	137.859	2	104.589	2	106.748

Description:

The VLS is a Missile Launching System which provides Surface Combatants with a launcher to carry, prepare for launch and fire, Anti-Air Warfare, Strike/Surface Warfare, and Anti-Submarine Warfare weapons. The Flight IIA MK-41 VLS Launchers consist of twelve modules comprised of eight cells each.

Contract Data:

Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)
FY 2016	DDG 123	LOCKHEED MARTIN	C/FFP	Dec 2014		3	33.081
FY 2017	DDG 125	LOCKHEED MARTIN	C/FFP	Dec 2014		2	33.604
FY 2018	DDG 128	COMPETITIVE	C/FFP	Jan 2018	New	2	34.313

Delivery Date:

Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date
FY 2016	DDG 123	Jul 2021	18	24	Jan 2018
FY 2017	DDG 125	Jul 2022	18	24	Jan 2019
FY 2018	DDG 128	Jul 2023	18	24	Jan 2020

Competition/Second Source Initiatives:

Competitive

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017																																
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51																																		
Equipment Item: MK 45 LWG						PARM Code: N/A																																
P-35 Category	FY 2016		FY 2017		FY 2018																																	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)																																
Major Hardware	3	56.618	2	38.387	2	39.148																																
Spares		0.485		0.328		0.334																																
System Engineering		6.842		4.639		4.731																																
Technical Engineering Services		3.674		2.491		2.540																																
Other Costs		8.862		6.008		6.127																																
Total	3	76.481	2	51.853	2	52.880																																
Description: The 5" 62 caliber MK 45 Mod 4 Gun is a digitized high energy system with the capability to automatically select, load and fire different types of 5"/62 caliber projectiles.																																						
Contract Data: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Program Year</th> <th>Hull</th> <th>Prime Contractor</th> <th>Contract Method/Type</th> <th>Award Date</th> <th>New/Option</th> <th>Quantity (Each)</th> <th>Unit Cost (\$ M)</th> </tr> <tr> <td>FY 2016</td> <td>DDG 123</td> <td>BAE AD/MCNALLY</td> <td>Various</td> <td>Jan 2016</td> <td>Option</td> <td>3</td> <td>18.873</td> </tr> <tr> <td>FY 2017</td> <td>DDG 125</td> <td>BAE AD/MCNALLY</td> <td>Various</td> <td>Jan 2017</td> <td>Option</td> <td>2</td> <td>19.194</td> </tr> <tr> <td>FY 2018</td> <td>DDG 128</td> <td>BAE AD/MCNALLY</td> <td>Various</td> <td>Jan 2018</td> <td>Option</td> <td>2</td> <td>19.574</td> </tr> </table>							Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)	FY 2016	DDG 123	BAE AD/MCNALLY	Various	Jan 2016	Option	3	18.873	FY 2017	DDG 125	BAE AD/MCNALLY	Various	Jan 2017	Option	2	19.194	FY 2018	DDG 128	BAE AD/MCNALLY	Various	Jan 2018	Option	2	19.574
Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)																															
FY 2016	DDG 123	BAE AD/MCNALLY	Various	Jan 2016	Option	3	18.873																															
FY 2017	DDG 125	BAE AD/MCNALLY	Various	Jan 2017	Option	2	19.194																															
FY 2018	DDG 128	BAE AD/MCNALLY	Various	Jan 2018	Option	2	19.574																															
Delivery Date: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Program Year</th> <th>Hull</th> <th>Earliest Ship Delivery Date</th> <th>Months Required Before Delivery</th> <th>Production Leadtime</th> <th>Required Award Date</th> </tr> <tr> <td>FY 2016</td> <td>DDG 123</td> <td>Jul 2021</td> <td>18</td> <td>24</td> <td>Jan 2018</td> </tr> <tr> <td>FY 2017</td> <td>DDG 125</td> <td>Jul 2022</td> <td>18</td> <td>24</td> <td>Jan 2019</td> </tr> <tr> <td>FY 2018</td> <td>DDG 128</td> <td>Jul 2023</td> <td>18</td> <td>24</td> <td>Jan 2020</td> </tr> </table>							Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date	FY 2016	DDG 123	Jul 2021	18	24	Jan 2018	FY 2017	DDG 125	Jul 2022	18	24	Jan 2019	FY 2018	DDG 128	Jul 2023	18	24	Jan 2020								
Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date																																	
FY 2016	DDG 123	Jul 2021	18	24	Jan 2018																																	
FY 2017	DDG 125	Jul 2022	18	24	Jan 2019																																	
FY 2018	DDG 128	Jul 2023	18	24	Jan 2020																																	
Competition/Second Source Initiatives: Sole Source																																						
Remarks: Contract Data notes: Gun Mount contract: BAE Armament Division - Sole Source Lower Hoist contract: McNally - Sole Source																																						

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy	Date: May 2017
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Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1	P-1 Line Item Number / Title: 2122 / DDG-51
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Equipment Item: MK 37 TOMAHAWK	PARM Code: N/A
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P-35 Category	FY 2016		FY 2017		FY 2018	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Major Hardware	3	12.932	2	8.766	2	8.940
Spares		2.103		1.426		1.454
System Engineering		5.485		4.435		4.523
Technical Engineering Services		5.360		4.213		4.296
Other Costs		9.313		6.658		6.790
Total	3	35.193	2	25.498	2	26.003

Description:

The Tactical Tomahawk Weapon Control System (TTWCS) is an open system architecture of work stations, processors, printers, fiber optic Local Area Network (LAN) and the Navy Standard Mass Measurement storage device which provides target data management, engagement planning, weapon selection and initiation and launch functions for the TOMAHAWK cruise missile.

Contract Data:

Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)
FY 2016	DDG 123	NSWC PT HUENEME	WR	Apr 2017	Various	3	4.311
FY 2017	DDG 125	NSWC PT HUENEME	WR	Apr 2018	Various	2	4.383
FY 2018	DDG 128	NSWC PT HUENEME	WR	Apr 2019	Various	2	4.470

Delivery Date:

Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date
FY 2016	DDG 123	Jul 2021	19	8	Apr 2019
FY 2017	DDG 125	Jul 2022	19	8	Apr 2020
FY 2018	DDG 128	Jul 2023	19	8	Apr 2021

Competition/Second Source Initiatives:

Navy construction

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: PHALANX (CIWS)						PARM Code: N/A	
P-35 Category	FY 2016		FY 2017		FY 2018		
	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	
Major Hardware	3	18.042	2	12.281	2	12.524	
System Engineering		1.226		0.831		0.847	
Technical Engineering Services		2.192		1.486		1.516	
Other Costs		2.912		1.975		2.014	
Total	3	24.372	2	16.573	2	16.901	
Description: Phalanx Close-In Weapon System (CIWS) provides fast reaction terminal defense against anti-ship missiles, aircraft, helicopters, low-slow flyers (e.g. unmanned aerial vehicles) and surface threats. The system is an automatic, self-contained unit consisting of search/track radar, threat evaluation and fire control subsystem, and a 20 mm M61A1 Gatling gun subsystem all mounted in a single structure requiring a minimum of integration with other ship systems.							
Contract Data:							
Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity <i>(Each)</i>	Unit Cost <i>(\$ M)</i>
FY 2016	DDG 123	RAYTHEON	SS/FFP	Apr 2016	Option	3	6.014
FY 2017	DDG 125	RAYTHEON	SS/FFP	Apr 2017	Option	2	6.141
FY 2018	DDG 128	RAYTHEON	SS/FFP	Apr 2018	Option	2	6.262
Delivery Date:							
Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date		
FY 2016	DDG 123	Jul 2021	25	22	Aug 2017		
FY 2017	DDG 125	Jul 2022	25	22	Aug 2018		
FY 2018	DDG 128	Jul 2023	25	22	Aug 2019		
Competition/Second Source Initiatives: Sole Source							

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Exhibit P-35, Major Ship Component Fact Sheet: FY 2018 Navy						Date: May 2017	
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51			
Equipment Item: SPQ-9B Radar						PARM Code: N/A	
P-35 Category	FY 2016		FY 2017		FY 2018		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Major Hardware	3	23.352	2	15.848	2	16.162	
Spares		0.305		0.207		0.212	
System Engineering		1.221		0.827		0.843	
Technical Engineering Services		1.296		0.879		0.896	
Other Costs		1.435		0.973		0.992	
Total	3	27.609	2	18.734	2	19.105	
Description: The AN/SPQ-9B Radar detects and tracks low flying Anti-Ship Missile targets in heavy clutter. The mission of the AN/SPQ-9B is currently being expanded to include the capability to detect and classify periscopes with the completion and incorporation of a Periscope Detection and Discrimination (PDD) capability designed to operate concurrently with the AN/SPY-6 capability.							
Contract Data:							
Program Year	Hull	Prime Contractor	Contract Method/Type	Award Date	New/Option	Quantity (Each)	Unit Cost (\$ M)
FY 2016	DDG 123	NORTHROP GRUMMAN	SS/FFP	Aug 2016	Option	3	7.784
FY 2017	DDG 125	NORTHROP GRUMMAN	SS/FFP	Nov 2017	New	2	7.924
FY 2018	DDG 128	NORTHROP GRUMMAN	SS/FFP	Feb 2018	Option	2	8.081
Delivery Date:							
Program Year	Hull	Earliest Ship Delivery Date	Months Required Before Delivery	Production Leadtime	Required Award Date		
FY 2016	DDG 123	Jul 2021	24	18	Jan 2018		
FY 2017	DDG 125	Jul 2022	24	18	Jan 2019		
FY 2018	DDG 128	Jul 2023	24	18	Jan 2020		
Competition/Second Source Initiatives: N/A							

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Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): FY 2018 Navy						Date: May 2017				
Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1				P-1 Line Item Number / Title: 2122 / DDG-51						
First System (2018) Award Date:		First System (2018) Completion Date:				Interval Between Systems: 0 Months				
Cost Elements		Production Leadtime <i>(Months)</i>	When Required* <i>(Months)</i>	FY 2016 <i>(\$ M)</i>	FY 2017 <i>(\$ M)</i>	FY 2018 <i>(\$ M)</i>	FY 2019 <i>(\$ M)</i>	FY 2020 <i>(\$ M)</i>	FY 2021 <i>(\$ M)</i>	FY 2022 <i>(\$ M)</i>
SHIP CONSTRUCTION EOQ										
SHIP Construction EOQ FY19 Ships ⁽¹⁾		Various	Various	-	-	12.501	-	-	-	-
SHIP Construction EOQ FY20 Ships		Various	Various	-	-	12.500	75.000	-	-	-
SHIP Construction EOQ FY21 Ships		Various	Various	-	-	12.517	75.000	112.595	-	-
SHIP Construction EOQ FY22 Ships		Various	Various	-	-	12.517	75.000	112.595	-	-
Total: SHIP CONSTRUCTION EOQ				-	-	50.035	225.000	225.190	-	-
VLS Advanced Procurement										
VLS EOQ FY19 Ships ⁽²⁾		Various	Various	-	-	26.861	-	-	-	-
VLS EOQ FY20 Ships		Various	Various	-	-	13.440	13.563	-	-	-
VLS EOQ FY21 Ships		Various	Various	-	-	0.000	27.075	-	-	-
VLS EOQ FY22 Ships		Various	Various	-	-	0.000	27.075	-	-	-
Total: VLS Advanced Procurement				-	-	40.301	67.713	-	-	-
Total Advance Procurement/Obligation Authority				-	-	90.336	292.713	225.190	-	-

*Note: "When Required" is the number of months required before ship delivery.

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Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): FY 2018 Navy	Date: May 2017
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Appropriation / Budget Activity / Budget Sub Activity: 1611N / 02 / 1	P-1 Line Item Number / Title: 2122 / DDG-51
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Cost Elements	FY 2018						
	Production Leadtime <i>(Months)</i>	When Required* <i>(Months)</i>	Unit Cost <i>(\$ M)</i>	Contract Forecast Date	2018 Qty <i>(Each)</i>	For FY	Total Cost Request <i>(\$ M)</i>
SHIP CONSTRUCTION EOQ							
SHIP Construction EOQ FY19 Ships ⁽¹⁾	Various	Various	-	Jun 2018	-	2019	12.501
SHIP Construction EOQ FY20 Ships	Various	Various	-	Jun 2018	-	2020	12.500
SHIP Construction EOQ FY21 Ships	Various	Various	-	Jun 2018	-	2021	12.517
SHIP Construction EOQ FY22 Ships	Various	Various	-	Jun 2018	-	2022	12.517
Total: SHIP CONSTRUCTION EOQ							50.035
VLS Advanced Procurement							
VLS EOQ FY19 Ships ⁽²⁾	Various	Various	-	Jan 2018	-	2019	26.861
VLS EOQ FY20 Ships	Various	Various	-	Jan 2018	-	2020	13.440
VLS EOQ FY21 Ships	Various	Various	-	Jan 2019	-	2021	0.000
VLS EOQ FY22 Ships	Various	Various	-	Jan 2019	-	2022	0.000
Total: VLS Advanced Procurement							40.301
Total Advance Procurement/Obligation Authority							90.336

*Note: "When Required" is the number of months required before ship delivery.

Footnotes:

⁽¹⁾ AP is required for shipbuilder Economic Order Quantity procurements for material items to achieve savings under the FY18-22 MYP contract.

⁽²⁾ AP is required for VLS Economic Order Quantity procurements for material items to achieve savings under the FY18-22 MYP contract.